

WO 00/56891

PCT/US00/07817

PF-0681 PCT

## Sequence Listing

&lt;110&gt; INCYTE PHARMACEUTICALS, INC.

YUE, Henry  
LAL, Preeti  
TANG, Y. Tom  
HILLMAN, Jennifer L.  
REDDY, Roopa  
BANDMAN, Olga  
BAUGHN, Mariah R.  
Lu, Dyung Aina L.  
AZIMZAI, Yalda  
YANG, Junming

&lt;120&gt; HUMAN TRANSMEMBRANE PROTEINS

&lt;130&gt; PF-0681 PCT

<140> To Be Assigned  
<141> Herewith

<150> 60/125,537; 60 139,565  
<151> 1999-03-22; 1999-06-16

&lt;160&gt; 58

&lt;170&gt; PERL Program

<210> 1  
<211> 417  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1316927CD1

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Met Trp Lys Gly Leu Val Lys Arg Asn Ala Ser Val Glu Thr Val  
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Asp Asn Lys Thr Ser Glu Asp Val Thr Met Ala Ala Ala Ser Pro  
20 25 30  
Val Thr Leu Thr Lys Gly Thr Ser Ala Ala His Leu Asn Ser Met  
35 40 45  
Glu Val Thr Thr Glu Asp Thr Ser Arg Thr Asp Val Ser Glu Pro  
50 55 60  
Ala Thr Ser Gly Gly Ala Ala Asp Gly Val Thr Ser Ile Ala Pro  
65 70 75  
Thr Ala Val Ala Ser Ser Thr Thr Ala Ala Ser Ile Thr Thr Ala  
80 85 90  
Ala Ser Ser Met Thr Val Ala Ser Ser Ala Pro Thr Thr Ala Ala  
95 100 105  
Ser Ser Thr Thr Val Ala Ser Ile Ala Pro Thr Thr Ala Ala Ser  
110 115 120  
Ser Met Thr Ala Ala Ser Ser Thr Pro Met Thr Leu Ala Leu Pro  
125 130 135  
Ala Pro Thr Ser Thr Ser Thr Gly Arg Thr Pro Ser Thr Thr Ala  
140 145 150  
Thr Gly His Pro Ser Leu Ser Thr Ala Leu Ala Gln Val Pro Lys  
155 160 165

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Ser	Ser	Ala	Leu	Pro	Arg	Thr	Ala	Thr	Leu	Ala	Thr	Leu	Ala	Thr
				170					175					180
Arg	Ala	Gln	Thr	Val	Ala	Thr	Thr	Ala	Asn	Thr	Ser	Ser	Pro	Met
				185					190					195
Ser	Thr	Arg	Pro	Ser	Pro	Ser	Lys	His	Met	Pro	Ser	Asp	Thr	Ala
				200					205					210
Ala	Ser	Pro	Val	Pro	Pro	Met	Arg	Pro	Gln	Ala	Gln	Gly	Pro	Ile
				215					220					225
Ser	Gln	Val	Ser	Val	Asp	Gln	Pro	Val	Val	Asn	Thr	Thr	Asn	Lys
				230					235					240
Ser	Thr	Pro	Met	Pro	Ser	Asn	Thr	Thr	Pro	Glu	Pro	Ala	Pro	Thr
				245					250					255
Pro	Thr	Val	Val	Thr	Thr	Thr	Lys	Ala	Gln	Ala	Arg	Glu	Pro	Thr
				260					265					270
Ala	Ser	Pro	Val	Pro	Val	Pro	His	Thr	Ser	Pro	Ile	Pro	Glu	Met
				275					280					285
Glu	Ala	Met	Ser	Pro	Thr	Thr	Gln	Pro	Ser	Pro	Met	Pro	Tyr	Thr
				290					295					300
Gln	Arg	Ala	Ala	Gly	Pro	Gly	Thr	Ser	Gln	Ala	Pro	Glu	Gln	Val
				305					310					315
Glu	Thr	Glu	Ala	Thr	Pro	Gly	Thr	Asp	Ser	Thr	Gly	Pro	Thr	Pro
				320					325					330
Arg	Ser	Ser	Gly	Gly	Thr	Lys	Met	Pro	Ala	Thr	Asp	Ser	Cys	Gln
				335					340					345
Pro	Ser	Thr	Gln	Gly	Gln	Tyr	Met	Val	Val	Thr	Thr	Glu	Pro	Leu
				350					355					360
Thr	Gln	Ala	Val	Val	Asp	Lys	Thr	Leu	Leu	Leu	Val	Val	Leu	Leu
				365					370					375
Leu	Gly	Val	Thr	Leu	Phe	Ile	Thr	Val	Leu	Val	Leu	Phe	Ala	Leu
				380					385					390
Gln	Ala	Tyr	Glu	Ser	Tyr	Lys	Lys	Lys	Asp	Tyr	Thr	Gln	Val	Asp
				395					400					405
Tyr	Leu	Ile	Asn	Gly	Met	Tyr	Ala	Asp	Ser	Glu	Met			
				410					415					

&lt;210&gt; 2

&lt;211&gt; 316

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1354891CD1

&lt;400&gt; 2

Met	Pro	Lys	Asn	Phe	Trp	Ala	Gly	Val	Gly	Ile	Val	Cys	Arg	Phe
				5					10					15
Arg	Glu	Gln	Asp	Ser	Phe	Pro	Pro	Ala	Ser	Ala	Ser	Cys	Pro	Ala
				20					25					30
Leu	Leu	Ala	Leu	Ser	Pro	Thr	Leu	Pro	Ser	Pro	Val	Phe	Leu	Phe
				35					40					45
Gln	Val	Pro	Ala	Ile	Glu	Glu	Asn	Leu	Leu	Asp	Asp	Lys	His	Leu
				50					55					60
Leu	Lys	Pro	Trp	Asp	Ala	Lys	Lys	Leu	Ser	Ser	Ser	Ser	Ser	Arg
				65					70					75
Pro	Arg	Ser	Cys	Glu	Val	Pro	Gly	Ile	Asn	Ile	Phe	Pro	Ser	Pro
				80					85					90
Asp	Gln	Pro	Ala	Asn	Val	Pro	Val	Leu	Pro	Pro	Ala	Met	Asn	Thr
				95					100					105
Gly	Gly	Ser	Leu	Pro	Asp	Leu	Thr	Asn	Leu	His	Phe	Pro	Pro	Pro
				110					115					120
Leu	Pro	Thr	Pro	Leu	Asp	Pro	Glu	Glu	Thr	Ala	Tyr	Pro	Ser	Leu

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Ser	Gly	Gly	Asn	Ser	Thr	Ser	Asn	Leu	Thr	His	Thr	Met	Thr	His
125														
140									145					150
Leu	Gly	Ile	Ser	Arg	Gly	Met	Gly	Leu	Gly	Pro	Gly	Tyr	Asp	Ala
155									160					165
Pro	Gly	Leu	His	Ser	Pro	Leu	Ser	His	Pro	Ser	Leu	Gln	Ser	Ser
170									175					180
Leu	Ser	Asn	Pro	Asn	Leu	Gln	Ala	Ser	Leu	Ser	Ser	Pro	Gln	Pro
185									190					195
Gln	Leu	Gln	Gly	Ser	His	Ser	His	Pro	Ser	Leu	Pro	Ala	Ser	Ser
200									205					210
Leu	Ala	Arg	His	Val	Leu	Pro	Thr	Thr	Ser	Leu	Gly	His	Pro	Ser
215									220					225
Leu	Ser	Ala	Pro	Ala	Leu	Ser	Thr							
230									235					240
Ser	Ser	Pro	Val	Leu	Gly	Ala	Pro	Ser	Tyr	Pro	Ala	Ser	Thr	Pro
245									250					255
Gly	Ala	Ser	Pro	His	His	Arg	Arg	Val	Pro	Leu	Ser	Pro	Leu	Ser
260									265					270
Leu	Leu	Ala	Gly	Pro	Ala	Asp	Ala	Arg	Arg	Ser	Gln	Gln	Gln	Leu
275									280					285
Pro	Lys	Gln	Phe	Ser	Pro	Thr	Met	Ser	Pro	Thr	Leu	Ser	Ser	Ile
290									295					300
Thr	Gln	Gly	Val	Pro	Trp	Ile	Pro	Val	Asn	Cys	Pro	Leu	Thr	Ser
305									310					315
Gly														

&lt;210&gt; 3

&lt;211&gt; 273

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1415487CD1

&lt;400&gt; 3

Met	Ile	Leu	Ser	Ser	Tyr	Phe	Ile	Asn	Phe	Ile	Tyr	Leu	Ala	Lys
1					5				10					15
Ser	Thr	Lys	Lys	Thr	Met	Leu	Thr	Leu	Thr	Leu	Val	Cys	Ala	Ile
					20				25					30
Thr	Phe	Leu	Leu	Val	Cys	Ser	Gly	Thr	Phe	Phe	Pro	Tyr	Ser	Ser
					35				40					45
Asn	Pro	Ala	Asn	Pro	Lys	Pro	Lys	Arg	Val	Phe	Leu	Gln	His	Met
					50				55					60
Thr	Arg	Thr	Phe	His	Asp	Leu	Glu	Gly	Asn	Ala	Val	Lys	Arg	Asp
					65				70					75
Ser	Gly	Ile	Trp	Ile	Asn	Gly	Phe	Asp	Tyr	Thr	Gly	Ile	Ser	His
					80				85					90
Ile	Thr	Pro	His	Ile	Pro	Glu	Ile	Asn	Asp	Ser	Ile	Arg	Ala	His
					95				100					105
Cys	Glu	Glu	Asn	Ala	Pro	Leu	Cys	Gly	Phe	Pro	Trp	Tyr	Leu	Pro
					110				115					120
Val	His	Phe	Leu	Ile	Arg	Lys	Asn	Trp	Tyr	Leu	Pro	Ala	Pro	Glu
					125				130					135
Val	Ser	Pro	Arg	Asn	Pro	Pro	His	Phe	Arg	Leu	Ile	Ser	Lys	Glu
					140				145					150
Gln	Thr	Pro	Trp	Asp	Ser	Ile	Lys	Leu	Thr	Phe	Glu	Ala	Thr	Gly
					155				160					165
Pro	Ser	His	Met	Ser	Phe	Tyr	Val	Arg	Ala	His	Lys	Gly	Ser	Thr
					170				175					180

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Leu	Ser	Gln	Trp	Ser	Leu	Gly	Asn	Gly	Thr	Pro	Val	Thr	Ser	Lys
				185					190					195
Gly	Gly	Asp	Tyr	Phe	Val	Phe	Tyr	Ser	His	Gly	Leu	Gln	Ala	Ser
				200					205					210
Ala	Trp	Gln	Phe	Trp	Ile	Glu	Val	Gln	Val	Ser	Glu	Glu	His	Pro
				215					220					225
Glu	Gly	Met	Val	Thr	Val	Ala	Ile	Ala	Ala	His	Tyr	Leu	Ser	Gly
				230					235					240
Glu	Asp	Lys	Arg	Ser	Pro	Gln	Leu	Asp	Ala	Leu	Lys	Glu	Lys	Phe
				245					250					255
Pro	Asp	Trp	Thr	Phe	Pro	Ser	Ala	Trp	Val	Cys	Thr	Tyr	Asp	Leu
				260					265					270
Phe Val Phe														

&lt;210&gt; 4

&lt;211&gt; 222

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1693184CD1

&lt;400&gt; 4

Met	Cys	Leu	Arg	Leu	Gly	Gly	Leu	Ser	Val	Gly	Asp	Phe	Arg	Lys
1					5				10					15
Val	Leu	Met	Lys	Thr	Gly	Leu	Val	Leu	Val	Val	Leu	Gly	His	Val
				20					25					30
Ser	Phe	Ile	Thr	Ala	Ala	Leu	Phe	His	Gly	Thr	Val	Leu	Arg	Tyr
				35					40					45
Val	Gly	Thr	Pro	Gln	Asp	Ala	Val	Ala	Leu	Gln	Tyr	Cys	Val	Val
				50					55					60
Asn	Ile	Leu	Ser	Val	Thr	Ser	Ala	Ile	Val	Val	Ile	Thr	Ser	Gly
				65					70					75
Ile	Ala	Ala	Ile	Val	Leu	Ser	Arg	Tyr	Leu	Pro	Ser	Thr	Pro	Leu
				80					85					90
Arg	Trp	Thr	Val	Phe	Ser	Ser	Ser	Val	Ala	Cys	Ala	Leu	Leu	Ser
				95					100					105
Leu	Thr	Cys	Ala	Leu	Gly	Leu	Leu	Ala	Ser	Ile	Ala	Met	Thr	Phe
				110					115					120
Ala	Thr	Gln	Gly	Lys	Ala	Leu	Leu	Ala	Ala	Cys	Thr	Phe	Gly	Ser
				125					130					135
Ser	Glu	Leu	Leu	Ala	Leu	Ala	Pro	Asp	Cys	Pro	Phe	Asp	Pro	Thr
				140					145					150
Arg	Ile	Tyr	Ser	Ser	Ser	Leu	Cys	Leu	Trp	Gly	Ile	Ala	Leu	Val
				155					160					165
Leu	Cys	Val	Ala	Glu	Asn	Val	Phe	Ala	Val	Arg	Cys	Ala	Gln	Leu
				170					175					180
Thr	His	Gln	Leu	Leu	Glu	Leu	Arg	Pro	Trp	Trp	Gly	Lys	Ser	Ser
				185					190					195
His	His	Met	Met	Arg	Glu	Asn	Pro	Glu	Leu	Val	Glu	Gly	Arg	Asp
				200					205					210
Leu	Leu	Ser	Cys	Thr	Ser	Ser	Glu	Pro	Leu	Thr	Leu			
				215					220					

&lt;210&gt; 5

&lt;211&gt; 329

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

WO 00/56891

PCT/US00/07817

PF-0681 PCT

&lt;223&gt; Incyte ID No: 1695049CD1

&lt;400&gt; 5

Met	Pro	Gly	Lys	His	Gln	His	Phe	Gln	Glu	Pro	Glu	Val	Gly	Cys
1														
														15
Cys	Gly	Lys	Tyr	Phe	Leu	Phe	Gly	Phe	Asn	Ile	Val	Phe	Trp	Val
														30
Leu	Gly	Ala	Leu	Phe	Leu	Ala	Ile	Gly	Leu	Trp	Ala	Trp	Gly	Glu
														45
Lys	Gly	Val	Leu	Ser	Asn	Ile	Ser	Ala	Leu	Thr	Asp	Leu	Gly	Gly
														60
Leu	Asp	Pro	Val	Trp	Leu	Phe	Val	Val	Val	Gly	Gly	Val	Met	Ser
														75
Val	Leu	Gly	Phe	Ala	Gly	Cys	Ile	Gly	Ala	Leu	Arg	Glu	Asn	Thr
														90
Phe	Leu	Leu	Lys	Phe	Phe	Ser	Val	Phe	Leu	Gly	Leu	Ile	Phe	Phe
														105
Leu	Glu	Leu	Ala	Thr	Gly	Ile	Leu	Ala	Phe	Val	Phe	Lys	Asp	Trp
														120
Ile	Arg	Asp	Gln	Leu	Asn	Leu	Phe	Ile	Asn	Asn	Asn	Val	Lys	Ala
														135
Tyr	Arg	Asp	Asp	Ile	Asp	Leu	Gln	Asn	Leu	Ile	Asp	Phe	Ala	Gln
														150
Glu	Tyr	Trp	Ser	Cys	Cys	Gly	Ala	Arg	Gly	Pro	Asn	Asp	Trp	Asn
														165
Leu	Asn	Ile	Tyr	Phe	Asn	Cys	Thr	Asp	Leu	Asn	Pro	Ser	Arg	Glu
														180
Arg	Cys	Gly	Val	Pro	Phe	Ser	Cys	Cys	Val	Arg	Asp	Pro	Ala	Glu
														195
Asp	Val	Leu	Asn	Thr	Gln	Cys	Gly	Tyr	Asp	Val	Arg	Leu	Lys	Leu
														210
Glu	Leu	Glu	Gln	Gln	Gly	Phe	Ile	His	Thr	Lys	Gly	Cys	Val	Gly
														225
Gln	Phe	Glu	Lys	Trp	Leu	Gln	Asp	Asn	Leu	Ile	Val	Val	Ala	Gly
														240
Val	Phe	Met	Gly	Ile	Ala	Leu	Leu	Gln	Ile	Phe	Gly	Ile	Cys	Leu
														255
Ala	Gln	Asn	Leu	Val	Ser	Asp	Ile	Lys	Ala	Val	Lys	Ala	Asn	Trp
														270
Ser	Lys	Trp	Asn	Asp	Asp	Phe	Glu	Asn	His	Trp	Leu	Thr	Pro	Thr
														285
Ile	Ser	Glu	Val	Leu	Ser	Thr	Ala	Gly	Pro	Gln	Gln	Asn	Ser	Leu
														300
Thr	Gly	Ala	Pro	Gly	Pro	Ala	Pro	Pro	Ser	Arg	His	Val	Phe	Phe
														315
Gly	Leu	Gly	Gly	Leu	Tyr	Pro	Glu	Pro	Thr	Phe	Lys	Asn	Trp	
														325

&lt;210&gt; 6

&lt;211&gt; 351

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1802448CD1

&lt;400&gt; 6

Met	Ala	Leu	Thr	Gly	Ala	Ser	Asp	Pro	Ser	Ala	Glu	Ala	Glu	Ala
1														15
Asn	Gly	Glu	Lys	Pro	Phe	Leu	Leu	Arg	Ala	Leu	Gln	Ile	Ala	Leu
														30

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Val	Val	Ser	Leu	Tyr	Trp	Val	Thr	Ser	Ile	Ser	Met	Val	Phe	Leu
					35					40				45
Asn	Lys	Tyr	Leu	Leu	Asp	Ser	Pro	Ser	Leu	Arg	Leu	Asp	Thr	Pro
					50					55				60
Ile	Phe	Val	Thr	Phe	Tyr	Gln	Cys	Leu	Val	Thr	Thr	Leu	Leu	Cys
					65					70				75
Lys	Gly	Leu	Ser	Ala	Leu	Ala	Ala	Cys	Cys	Pro	Gly	Ala	Val	Asp
					80					85				90
Phe	Pro	Ser	Leu	Arg	Leu	Asp	Leu	Arg	Val	Ala	Arg	Ser	Val	Leu
					95					100				105
Pro	Leu	Ser	Val	Val	Phe	Ile	Gly	Met	Ile	Thr	Phe	Asn	Asn	Leu
					110					115				120
Cys	Leu	Lys	Tyr	Val	Gly	Val	Ala	Phe	Tyr	Asn	Val	Gly	Arg	Ser
					125					130				135
Leu	Thr	Thr	Val	Phe	Asn	Val	Leu	Leu	Ser	Tyr	Leu	Leu	Leu	Lys
					140					145				150
Gln	Thr	Thr	Ser	Phe	Tyr	Ala	Leu	Leu	Thr	Cys	Gly	Ile	Ile	Ile
					155					160				165
Gly	Gly	Phe	Trp	Leu	Gly	Val	Asp	Gln	Glu	Gly	Ala	Glu	Gly	Thr
					170					175				180
Leu	Ser	Trp	Leu	Gly	Thr	Val	Phe	Gly	Val	Leu	Ala	Ser	Leu	Cys
					185					190				195
Val	Ser	Leu	Asn	Ala	Ile	Tyr	Thr	Thr	Lys	Val	Leu	Pro	Ala	Val
					200					205				210
Asp	Gly	Ser	Ile	Trp	Arg	Leu	Thr	Phe	Tyr	Asn	Asn	Val	Asn	Ala
					215					220				225
Cys	Ile	Leu	Phe	Leu	Pro	Leu	Leu	Leu	Leu	Leu	Gly	Glu	Leu	Gln
					230					235				240
Ala	Leu	Arg	Asp	Phe	Ala	Gln	Leu	Gly	Ser	Ala	His	Phe	Trp	Gly
					245					250				255
Met	Met	Thr	Leu	Gly	Gly	Leu	Phe	Gly	Phe	Ala	Ile	Gly	Tyr	Val
					260					265				270
Thr	Gly	Leu	Gln	Ile	Lys	Phe	Thr	Ser	Pro	Leu	Thr	His	Asn	Val
					275					280				285
Ser	Gly	Thr	Ala	Lys	Ala	Cys	Ala	Gln	Thr	Val	Leu	Ala	Val	Leu
					290					295				300
Tyr	Tyr	Glu	Glu	Thr	Lys	Ser	Phe	Leu	Trp	Trp	Thr	Ser	Asn	Met
					305					310				315
Met	Val	Leu	Gly	Gly	Ser	Ser	Ala	Tyr	Thr	Trp	Val	Arg	Gly	Trp
					320					325				330
Glu	Met	Lys	Lys	Thr	Pro	Glu	Glu	Pro	Ser	Pro	Lys	Asp	Ser	Glu
					335					340				345
Lys	Ser	Ala	Met	Gly	Val									
					350									

&lt;210&gt; 7

&lt;211&gt; 489

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2057214CD1

&lt;400&gt; 7

Met	Glu	Ala	Pro	Asp	Tyr	Glu	Val	Leu	Ser	Val	Arg	Glu	Gln	Leu
					1	5				10				15
Phe	His	Glu	Arg	Ile	Arg	Glu	Cys	Ile	Ile	Ser	Thr	Leu	Leu	Phe
					20					25				30
Ala	Thr	Leu	Tyr	Ile	Leu	Cys	His	Ile	Phe	Leu	Thr	Arg	Phe	Lys
					35					40				45
Lys	Pro	Ala	Glu	Phe	Thr	Thr	Val	Asp	Asp	Glu	Asp	Ala	Thr	Val

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<210> 8  
<211> 291

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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2448177CD1

&lt;400&gt; 8

Met	Val	Trp	Lys	Lys	Leu	Gly	Ser	Arg	Asn	Phe	Ser	Ser	Cys	Pro
1					5				10					15
Ser	Gly	Ser	Ile	Gln	Trp	Ile	Trp	Asp	Val	Leu	Gly	Glu	Cys	Ala
						20			25					30
Gln	Asp	Gly	Trp	Asp	Glu	Ala	Ser	Val	Gly	Leu	Gly	Leu	Ile	Ser
					35				40					45
Ile	Leu	Cys	Phe	Ala	Ala	Ser	Thr	Phe	Pro	Gln	Phe	Ile	Lys	Ala
					50				55					60
Tyr	Lys	Thr	Gly	Asn	Met	Asp	Gln	Ala	Leu	Ser	Leu	Trp	Phe	Leu
					65				70					75
Leu	Gly	Trp	Ile	Gly	Gly	Asp	Ser	Cys	Asn	Leu	Ile	Gly	Ser	Phe
					80				85					90
Leu	Ala	Asp	Gln	Leu	Pro	Leu	Gln	Thr	Tyr	Thr	Ala	Val	Tyr	Tyr
					95				100					105
Val	Leu	Ala	Asp	Leu	Val	Met	Leu	Thr	Leu	Tyr	Phe	Tyr	Tyr	Lys
					110				115					120
Phe	Arg	Thr	Arg	Pro	Ser	Leu	Leu	Ser	Ala	Pro	Ile	Asn	Ser	Val
					125				130					135
Leu	Leu	Phe	Leu	Met	Gly	Met	Ala	Cys	Ala	Thr	Pro	Leu	Leu	Ser
					140				145					150
Ala	Ala	Gly	Pro	Val	Ala	Ala	Pro	Arg	Glu	Ala	Phe	Arg	Gly	Arg
					155				160					165
Ala	Leu	Leu	Ser	Val	Glu	Ser	Gly	Ser	Lys	Pro	Phe	Thr	Arg	Gln
					170				175					180
Glu	Val	Ile	Gly	Phe	Val	Ile	Gly	Ser	Ile	Ser	Ser	Val	Leu	Tyr
					185				190					195
Leu	Leu	Ser	Arg	Leu	Pro	Gln	Ile	Arg	Thr	Asn	Phe	Leu	Arg	Lys
					200				205					210
Ser	Thr	Gln	Gly	Ile	Ser	Tyr	Ser	Leu	Phe	Ala	Leu	Val	Met	Leu
					215				220					225
Gly	Asn	Thr	Leu	Tyr	Gly	Leu	Ser	Val	Leu	Leu	Lys	Asn	Pro	Glu
					230				235					240
Glu	Gly	Gln	Ser	Glu	Gly	Ser	Tyr	Leu	Leu	His	His	Leu	Pro	Trp
					245				250					255
Leu	Val	Gly	Ser	Leu	Gly	Val	Leu	Leu	Leu	Asp	Thr	Ile	Ile	Ser
					260				265					270
Ile	Gln	Phe	Leu	Val	Tyr	Arg	Arg	Ser	Thr	Ala	Ala	Ser	Glu	Leu
					275				280					285
Glu	Pro	Leu	Leu	Pro	Ser									
					290									

&lt;210&gt; 9

&lt;211&gt; 172

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2741701CD1

&lt;400&gt; 9

Met	Ser	Ser	Ser	Gly	Gly	Ala	Pro	Gly	Ala	Ser	Ala	Ser	Ser	Ala
1				5					10					15
Pro	Pro	Ala	Gln	Glu	Glu	Gly	Met	Thr	Trp	Trp	Tyr	Arg	Trp	Leu

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20	25	30
Cys Arg Leu Ser Gly Val Leu Gly Ala Val	Ser Cys Ala Ile Ser	
35	40	45
Gly Leu Phe Asn Cys Ile Thr Ile His Pro	Leu Asn Ile Ala Ala	
50	55	60
Gly Val Trp Met Ile Met Asn Ala Phe Ile	Leu Leu Leu Cys Glu	
65	70	75
Ala Pro Phe Cys Cys Gln Phe Ile Glu Phe	Ala Asn Thr Val Ala	
80	85	90
Glu Lys Val Asp Arg Leu Arg Ser Trp Gln	Lys Ala Val Phe Tyr	
95	100	105
Cys Gly Met Ala Val Val Pro Ile Val Ile	Ser Leu Thr Leu Thr	
110	115	120
Thr Leu Leu Gly Asn Ala Ile Ala Phe Ala	Thr Gly Val Leu Tyr	
125	130	135
Gly Leu Ser Ala Leu Gly Lys Gly Asp Ala	Ile Ser Tyr Ala	
140	145	150
Arg Ile Gln Gln Gln Arg Gln Ala Asp	Glu Glu Lys Leu Ala	
155	160	165
Glu Thr Leu Glu Gly Glu Leu		
170		

&lt;210&gt; 10

&lt;211&gt; 155

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3487228CD1

&lt;400&gt; 10

Met Ala Gly Glu Ile Thr Glu Thr Gly Glu	Leu Tyr Ser Ser Tyr		
1	5	10	15
Val Gly Leu Val Tyr Met Phe Asn Leu Ile	Val Gly Thr Gly Ala		
20	25	30	
Leu Thr Met Pro Lys Ala Phe Ala Thr Ala	Gly Trp Leu Val Ser		
35	40	45	
Leu Val Leu Val Phe Leu Gly Phe Met Ser	Phe Met Thr Thr		
50	55	60	
Thr Phe Val Ile Glu Ala Met Ala Ala Asn	Ala Gln Leu His		
65	70	75	
Trp Lys Arg Met Glu Asn Leu Lys Glu Glu	Asp Asp Asp Ser		
80	85	90	
Ser Thr Ala Ser Asp Ser Asp Val Leu Ile	Arg Asp Asn Tyr Glu		
95	100	105	
Arg Ala Glu Lys Arg Pro Ile Leu Ser Val	Arg Lys Ser Trp Gly		
110	115	120	
Ser Arg Gly Pro Ala Leu Pro Ser Gly Pro	Gln Gly Ser Leu Ser		
125	130	135	
Ser Trp Arg Gly Pro Trp Arg Gly Ser Pro	Gln Ile Leu Ala Phe		
140	145	150	
Pro Ala Pro Gly Phe			
155			

&lt;210&gt; 11

&lt;211&gt; 578

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3671426CD1

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&lt;400&gt; 11

Met	Leu	Cys	Ser	Leu	Leu	Cys	Glu	Cys	Leu	Leu	Leu	Val	Ala	
1				5				10				15		
Gly	Tyr	Ala	His	Asp	Asp	Asp	Trp	Ile	Asp	Pro	Thr	Asp	Met	Leu
				20				25				30		
Asn	Tyr	Asp	Ala	Ala	Ser	Gly	Thr	Met	Arg	Lys	Ser	Gln	Ala	Lys
				35				40				45		
Tyr	Gly	Ile	Ser	Gly	Glu	Lys	Asp	Val	Ser	Pro	Asp	Leu	Ser	Cys
				50				55				60		
Ala	Asp	Glu	Ile	Ser	Glu	Cys	Tyr	His	Lys	Leu	Asp	Ser	Leu	Thr
				65				70				75		
Tyr	Lys	Ile	Asp	Glu	Cys	Glu	Lys	Lys	Lys	Arg	Glu	Asp	Tyr	Glu
				80				85				90		
Ser	Gln	Ser	Asn	Pro	Val	Phe	Arg	Arg	Tyr	Leu	Asn	Lys	Ile	Leu
				95				100				105		
Ile	Glu	Ala	Gly	Lys	Leu	Gly	Leu	Pro	Asp	Glu	Asn	Lys	Gly	Asp
				110				115				120		
Met	His	Tyr	Asp	Ala	Glu	Ile	Ile	Leu	Lys	Arg	Glu	Thr	Leu	Leu
				125				130				135		
Glu	Ile	Gln	Lys	Phe	Leu	Asn	Gly	Glu	Asp	Trp	Lys	Pro	Gly	Ala
				140				145				150		
Leu	Asp	Asp	Ala	Leu	Ser	Asp	Ile	Leu	Ile	Asn	Phe	Lys	Phe	His
				155				160				165		
Asp	Phe	Glu	Thr	Trp	Lys	Trp	Arg	Phe	Glu	Asp	Ser	Phe	Gly	Val
				170				175				180		
Asp	Pro	Tyr	Asn	Val	Leu	Met	Val	Leu	Leu	Cys	Leu	Leu	Cys	Ile
				185				190				195		
Val	Val	Leu	Val	Ala	Thr	Glu	Leu	Trp	Thr	Tyr	Val	Arg	Trp	Tyr
				200				205				210		
Thr	Gln	Leu	Arg	Arg	Val	Leu	Ile	Ile	Ser	Phe	Leu	Phe	Ser	Leu
				215				220				225		
Gly	Trp	Asn	Trp	Met	Tyr	Leu	Tyr	Lys	Leu	Ala	Phe	Ala	Gln	His
				230				235				240		
Gln	Ala	Glu	Val	Ala	Lys	Met	Glu	Pro	Leu	Asn	Asn	Val	Cys	Ala
				245				250				255		
Lys	Lys	Met	Asp	Trp	Thr	Gly	Ser	Ile	Trp	Glu	Trp	Phe	Arg	Ser
				260				265				270		
Ser	Trp	Thr	Tyr	Lys	Asp	Asp	Pro	Cys	Gln	Lys	Tyr	Tyr	Glu	Leu
				275				280				285		
Leu	Leu	Val	Asn	Pro	Ile	Trp	Leu	Val	Pro	Pro	Thr	Lys	Ala	Leu
				290				295				300		
Ala	Val	Thr	Phe	Thr	Thr	Phe	Val	Thr	Glu	Pro	Leu	Lys	His	Ile
				305				310				315		
Gly	Lys	Gly	Thr	Gly	Glu	Phe	Ile	Lys	Ala	Leu	Met	Lys	Glu	Ile
				320				325				330		
Pro	Ala	Leu	Leu	His	Leu	Pro	Val	Leu	Ile	Ile	Met	Ala	Leu	Ala
				335				340				345		
Ile	Leu	Ser	Phe	Cys	Tyr	Gly	Ala	Gly	Lys	Ser	Val	His	Val	Leu
				350				355				360		
Arg	His	Ile	Gly	Gly	Pro	Glu	Arg	Glu	Pro	Pro	Gln	Ala	Leu	Trp
				365				370				375		
Pro	Arg	Asp	Arg	Arg	Arg	Gln	Glu	Glu	Ile	Asp	Tyr	Arg	Pro	Asp
				380				385				390		
Gly	Gly	Ala	Gly	Asp	Ala	Asp	Phe	His	Tyr	Arg	Gly	Gln	Met	Gly
				395				400				405		
Pro	Thr	Glu	Gln	Gly	Pro	Tyr	Ala	Lys	Thr	Tyr	Glu	Gly	Arg	Arg
				410				415				420		
Glu	Ile	Leu	Arg	Glu	Arg	Asp	Val	Asp	Leu	Arg	Phe	Gln	Thr	Gly
				425				430				435		
Asn	Lys	Ser	Pro	Glu	Val	Leu	Arg	Ala	Phe	Asp	Val	Pro	Asp	Ala
				440				445				450		

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Glu Ala Arg Glu His Pro Thr Val Val Pro Ser His Lys Ser Pro  
 455 460 465  
 Val Leu Asp Thr Lys Pro Lys Glu Thr Gly Gly Ile Leu Gly Lys  
 470 475 480  
 Ala His Arg Lys Lys Ala Val Leu Lys Ala Ala Ser Arg Pro Ser  
 485 490 495  
 Leu Ser Leu Ala Lys Thr His Gln Gly Ile Gln Lys Val His Pro  
 500 505 510  
 Gln Arg Lys Arg Pro Ser Ser Ser Leu Lys Pro Gln Ala Ala Gln  
 515 520 525  
 Thr Lys Ala Ala His Thr Ala Pro Gln Glu Val Trp Leu Asp His  
 530 535 540  
 Val Asp Arg Ile Arg Ser Ala Ala Pro Val Ala Arg Gly Thr Pro  
 545 550 555  
 Ala Gln Thr Thr Ala Ser Ser Leu Leu Arg Ala Leu Tyr Pro Phe  
 560 565 570  
 Gly Asp Glu Val Tyr Phe Asp Ser  
 575

&lt;210&gt; 12

&lt;211&gt; 313

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 4020882CD1

&lt;400&gt; 12

Met Asp Gly Ile Ile Glu Gln Lys Ser Met Leu Val His Ser Lys  
 1 5 10 15  
 Ile Ser Asp Ala Gly Lys Arg Asn Gly Leu Ile Asn Thr Arg Asn  
 20 25 30  
 Leu Met Ala Glu Ser Arg Asp Gly Leu Val Ser Val Tyr Pro Ala  
 35 40 45  
 Pro Gln Tyr Gln Ser His Arg Val Gly Ala Ser Thr Val Pro Ala  
 50 55 60  
 Ser Leu Asp Ser Ser Arg Ser Glu Pro Met Gln Gln Leu Leu Asp  
 65 70 75  
 Pro Asn Thr Leu Gln Gln Ser Val Glu Ser Arg Tyr Arg Pro Asn  
 80 85 90  
 Ile Ile Leu Tyr Ser Glu Gly Val Leu Arg Ser Trp Gly Asp Gly  
 95 100 105  
 Val Ala Ala Asp Cys Cys Glu Thr Thr Phe Ile Glu Asp Arg Ser  
 110 115 120  
 Pro Thr Lys Asp Ser Leu Glu Tyr Pro Asp Gly Lys Phe Ile Asp  
 125 130 135  
 Leu Ser Ala Asp Asp Ile Lys Ile His Thr Leu Ser Tyr Asp Val  
 140 145 150  
 Glu Glu Glu Glu Phe Gln Glu Leu Glu Ser Asp Tyr Ser Ser  
 155 160 165  
 Asp Thr Glu Ser Glu Asp Asn Phe Leu Met Met Pro Pro Arg Asp  
 170 175 180  
 His Leu Gly Leu Ser Val Phe Ser Met Leu Cys Cys Phe Trp Pro  
 185 190 195  
 Leu Gly Ile Ala Ala Phe Tyr Leu Ser His Glu Thr Asn Lys Ala  
 200 205 210  
 Val Ala Lys Gly Asp Leu His Gln Ala Ser Thr Ser Ser Arg Arg  
 215 220 225  
 Ala Leu Phe Leu Ala Val Leu Ser Ile Thr Ile Gly Thr Gly Val  
 230 235 240  
 Tyr Val Gly Val Ala Trp Pro Trp Pro Ser Ser Pro Thr Ser Pro

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	245	250	255
Arg	Thr	Thr	Pro
	Cys	Glu	Gly
		Leu	Gly
		Pro	Gly
		Ala	Ala
	260	265	270
Gly	Ala	Arg	Ser
	Val	Trp	Thr
		Trp	Trp
		Arg	
	275	280	285
Met	Leu	Tyr	Ser
	Thr	Asn	Asp
		Cys	Gln
		Met	Met
		Pro	Pro
	290	295	300
Gly	Ile	Ser	Tyr
	Pro	Trp	Ile
		Tyr	Tyr
		Phe	Val
	305	310	

&lt;210&gt; 13

&lt;211&gt; 205

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 4069777CD1

&lt;400&gt; 13

Met	Met	Ser	Arg	Asp	Val	Ile	Ala	Leu	Val	Ser	Gln	Val	Leu	Pro
1					5					10				15
Val	Tyr	Ser	Val	Phe	His	Val	Phe	Glu	Ala	Ile	Cys	Cys	Val	Tyr
					20					25				30
Gly	Gly	Val	Leu	Arg	Gly	Thr	Gly	Lys	Gln	Ala	Phe	Gly	Ala	Ala
					35				40					45
Val	Asn	Ala	Ile	Thr	Tyr	Tyr	Ile	Ile	Gly	Leu	Pro	Leu	Gly	Ile
					50				55					60
Leu	Leu	Thr	Phe	Val	Val	Arg	Met	Arg	Ile	Met	Gly	Leu	Trp	Leu
					65				70					75
Gly	Met	Leu	Ala	Cys	Val	Phe	Leu	Ala	Thr	Ala	Ala	Phe	Val	Ala
					80				85					90
Tyr	Thr	Ala	Arg	Leu	Asp	Trp	Lys	Leu	Ala	Ala	Glu	Glu	Ala	Lys
					95				100					105
Lys	His	Ser	Gly	Arg	Gln	Gln	Gln	Gln	Arg	Ala	Glu	Ser	Thr	Ala
					110				115					120
Thr	Arg	Pro	Gly	Pro	Glu	Lys	Ala	Val	Leu	Ser	Ser	Val	Ala	Thr
					125				130					135
Gly	Ser	Ser	Pro	Gly	Ile	Thr	Leu	Thr	Thr	Tyr	Ser	Arg	Ser	Glu
					140				145					150
Cys	His	Val	Asp	Phe	Phe	Arg	Thr	Pro	Glu	Glu	Ala	His	Ala	Leu
					155				160					165
Ser	Ala	Pro	Thr	Ser	Arg	Leu	Ser	Val	Lys	Gln	Leu	Val	Ile	Arg
					170				175					180
Arg	Gly	Ala	Ala	Leu	Gly	Ala	Ala	Ser	Ala	Thr	Leu	Met	Val	Gly
					185				190					195
Leu	Thr	Val	Arg	Ile	Leu	Ala	Thr	Arg	His					
					200				205					

&lt;210&gt; 14

&lt;211&gt; 371

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5309830CD1

&lt;400&gt; 14

Met	Ala	Trp	Thr	Lys	Tyr	Gln	Leu	Phe	Leu	Ala	Gly	Leu	Met	Leu
1					5					10				15
Val	Thr	Gly	Ser	Ile	Asn	Thr	Leu	Ser	Ala	Lys	Trp	Ala	Asp	Asn
					20					25				30

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Phe Met Ala Glu Gly Cys Gly Gly Ser Lys Glu His Ser Phe Gln  
                   35                  40                          45  
 His Pro Phe Leu Gln Ala Val Gly Met Phe Leu Gly Glu Phe Ser  
                   50                  55                          60  
 Cys Leu Ala Ala Phe Tyr Leu Leu Arg Cys Arg Ala Ala Gly Gln  
                   65                  70                          75  
 Ser Asp Ser Ser Val Asp Pro Gln Gln Pro Phe Asn Pro Leu Leu  
                   80                  85                          90  
 Phe Leu Pro Pro Ala Leu Cys Asp Met Thr Gly Thr Ser Leu Met  
                   95                  100                         105  
 Tyr Val Ala Leu Asn Met Thr Ser Ala Ser Ser Phe Gln Met Leu  
                   110                  115                         120  
 Arg Gly Ala Val Ile Ile Phe Thr Gly Leu Phe Ser Val Ala Phe  
                   125                  130                         135  
 Leu Gly Arg Arg Leu Val Leu Ser Gln Trp Leu Gly Ile Leu Ala  
                   140                  145                         150  
 Thr Ile Ala Gly Leu Val Val Val Gly Leu Ala Asp Leu Leu Ser  
                   155                  160                         165  
 Lys His Asp Ser Gln His Lys Leu Ser Glu Val Ile Thr Gly Asp  
                   170                  175                         180  
 Leu Leu Ile Ile Met Ala Gln Ile Ile Val Ala Ile Gln Met Val  
                   185                  190                         195  
 Leu Glu Glu Lys Phe Val Tyr Lys His Asn Val His Pro Leu Arg  
                   200                  205                         210  
 Ala Val Gly Thr Glu Gly Leu Phe Gly Phe Val Ile Leu Ser Leu  
                   215                  220                         225  
 Leu Leu Val Pro Met Tyr Tyr Ile Pro Ala Gly Ser Phe Ser Gly  
                   230                  235                         240  
 Asn Pro Arg Gly Thr Leu Glu Asp Ala Leu Asp Ala Phe Cys Gln  
                   245                  250                         255  
 Val Gly Gln Gln Pro Leu Ile Ala Val Ala Leu Leu Gly Asn Ile  
                   260                  265                         270  
 Ser Ser Ile Ala Phe Phe Asn Phe Ala Gly Ile Ser Val Thr Lys  
                   275                  280                         285  
 Glu Leu Ser Ala Thr Thr Arg Met Val Leu Asp Ser Leu Arg Thr  
                   290                  295                         300  
 Val Val Ile Trp Ala Leu Ser Leu Ala Leu Gly Trp Glu Ala Phe  
                   305                  310                         315  
 His Ala Leu Gln Ile Leu Gly Phe Leu Ile Leu Leu Ile Gly Thr  
                   320                  325                         330  
 Ala Leu Tyr Asn Gly Leu His Arg Pro Leu Leu Gly Arg Leu Ser  
                   335                  340                         345  
 Arg Gly Arg Pro Leu Ala Glu Glu Ser Glu Gln Glu Arg Leu Leu  
                   350                  355                         360  
 Gly Gly Thr Arg Thr Pro Ile Asn Asp Ala Ser  
                   365                  370

&lt;210&gt; 15

&lt;211&gt; 374

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 306263CD1

&lt;400&gt; 15

Met Ala Tyr Ile Glu Gln Arg Arg Ile Ser His Glu Gly Ser Pro  
                   1                  5                  10                  15  
 Val Lys Pro Val Ala Ile Arg Glu Phe Gln Lys Thr Glu Asp Met  
                   20                  25                         30  
 Arg Arg Tyr Leu His Gln Asn Arg Val Pro Ala Glu Pro Ser Ser

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35	40	45												
Leu	Leu	Ser	Leu	Ser	Ala	Ser	His	Asn	Gln	Leu	Ser	His	Thr	Asp
50	55	60												
Leu	Glu	Leu	His	Gln	Arg	Arg	Glu	Gln	Leu	Val	Glu	Arg	Thr	Arg
65	70	75												
Arg	Glu	Ala	Gln	Leu	Ala	Ala	Leu	Gln	Tyr	Glu	Glu	Glu	Lys	Ile
80	85	90												
Arg	Thr	Lys	Gln	Ile	Gln	Arg	Asp	Ala	Val	Leu	Asp	Phe	Val	Lys
95	100	105												
Gln	Lys	Ala	Ser	Gln	Ser	Pro	Gln	Lys	Gln	His	Pro	Leu	Leu	Asp
110	115	120												
Gly	Val	Asp	Gly	Glu	Cys	Pro	Phe	Pro	Ser	Arg	Arg	Ser	Gln	His
125	130	135												
Thr	Asp	Asp	Ser	Ala	Leu	Cys	Met	Ser	Asp	Asp	Arg	Pro	Asn	Ala
140	145	150												
Leu	Leu	Ser	Ser	Pro	Ala	Thr	Glu	Thr	Val	His	His	Ser	Pro	Ala
155	160	165												
Tyr	Ser	Phe	Pro	Ala	Ala	Ile	Gln	Arg	Asn	Gln	Pro	Gln	Arg	Pro
170	175	180												
Glu	Ser	'Phe	Leu	Phe	Arg	Ala	Gly	Val	Arg	Ala	Glu	Thr	Asn	Lys
185	190	195												
Gly	His	Ala	Ser	Pro	Leu	Pro	Pro	Ser	Ala	Ala	Pro	Thr	Thr	Asp
200	205	210												
Ser	Thr	Asp	Ser	Ile	Thr	Gly	Gln	Asn	Ser	Arg	Gln	Arg	Glu	Glu
215	220	225												
Glu	Leu	Glu	Leu	Ile	Asp	Gln	Leu	Arg	Lys	His	Ile	Glu	Tyr	Arg
230	235	240												
Leu	Lys	Val	Ser	Leu	Pro	Cys	Asp	Leu	Gly	Ala	Ala	Leu	Thr	Asp
245	250	255												
Gly	Val	Val	Leu	Cys	His	Leu	Ala	Asn	His	Val	Arg	Pro	Arg	Ser
260	265	270												
Val	Pro	Ser	Ile	His	Val	Pro	Ser	Pro	Ala	Val	Pro	Lys	Leu	Thr
275	280	285												
Met	Ala	Lys	Cys	Arg	Arg	Asn	Val	Glu	Asn	Phe	Leu	Glu	Ala	Cys
290	295	300												
Arg	Lys	Ile	Gly	Val	Pro	Gln	Asp	Asn	Leu	Cys	Ser	Pro	Ser	Asp
305	310	315												
Ile	Leu	Gln	Leu	Asn	Leu	Ser	Val	Lys	Arg	Thr	Val	Glu	Thr	Leu
320	325	330												
Leu	Ser	Leu	Gly	Ala	His	Ser	Glu	Glu	Ser	Ser	Phe	Val	Cys	Leu
335	340	345												
Ser	Leu	Gln	Leu	Leu	Gly	Phe	Val	Ala	Phe	Tyr	Cys	Thr	Val	Met
350	355	360												
Leu	Thr	Leu	Cys	Val	Leu	Tyr	Tyr	Trp	Leu	Phe	Pro	Ala	Arg	
365	370													

&lt;210&gt; 16

&lt;211&gt; 183

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 483751CD1

&lt;400&gt; 16

Met	Glu	Asn	Gly	Ala	Val	Tyr	Ser	Pro	Thr	Thr	Glu	Glu	Asp	Pro
1	5	10	15											
Gly	Pro	Ala	Arg	Gly	Pro	Arg	Ser	Gly	Leu	Ala	Ala	Tyr	Phe	Phe
20	25	30												
Met	Gly	Arg	Leu	Pro	Leu	Leu	Arg	Arg	Val	Leu	Lys	Gly	Leu	Gln
35	40	45												

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Leu	Leu	Leu	Ser	Leu	Leu	Ala	Phe	Ile	Cys	Glu	Glu	Val	Val	Ser
					50				55					60
Gln	Cys	Thr	Leu	Cys	Gly	Gly	Leu	Tyr	Phe	Phe	Glu	Phe	Val	Ser
					65				70					75
Cys	Ser	Ala	Phe	Leu	Leu	Ser	Leu	Leu	Ile	Leu	Ile	Val	Tyr	Cys
					80				85					90
Thr	Pro	Phe	Tyr	Glu	Arg	Val	Asp	Thr	Thr	Lys	Val	Lys	Ser	Ser
					95				100					105
Asp	Phe	Tyr	Ile	Thr	Leu	Gly	Thr	Gly	Cys	Val	Phe	Leu	Leu	Ala
					110				115					120
Ser	Ile	Ile	Phe	Val	Ser	Thr	His	Asp	Arg	Thr	Ser	Ala	Glu	Ile
					125				130					135
Ala	Ala	Ile	Val	Phe	Gly	Phe	Ile	Ala	Ser	Phe	Met	Phe	Leu	Leu
					140				145					150
Asp	Phe	Ile	Thr	Met	Leu	Tyr	Glu	Lys	Arg	Gln	Glu	Ser	Gln	Leu
					155				160					165
Arg	Lys	Pro	Glu	Asn	Thr	Thr	Arg	Ala	Glu	Ala	Leu	Thr	Glu	Pro
					170				175					180
Leu	Asn	Ala												

&lt;210&gt; 17

&lt;211&gt; 190

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 727332CD1

&lt;400&gt; 17

Met	Asp	Thr	Thr	Pro	Leu	Ile	Thr	Glu	His	Val	Ile	Asn	Thr	Thr
1					5				10					15
Gln	Asp	Pro	Cys	Ser	Trp	Val	Asp	Lys	Leu	Ser	Thr	Val	His	His
					20				25					30
Arg	Ile	Val	Gly	Cys	Ser	Leu	Ala	Val	Ile	Ser	Gly	Val	Leu	Tyr
					35				40					45
Gly	Ser	Thr	Phe	Val	Pro	Ile	Ile	Tyr	Ile	Lys	Asp	His	Ser	Lys
					50				55					60
Arg	Asn	Asp	Ser	Ile	Tyr	Ala	Gly	Ala	Ser	Gln	Tyr	Asp	Leu	Asp
					65				70					75
Tyr	Val	Phe	Ala	His	Phe	Ser	Gly	Ile	Phe	Leu	Thr	Ser	Thr	Val
					80				85					90
Tyr	Phe	Leu	Ala	Tyr	Cys	Ile	Ala	Met	Lys	Asn	Ser	Pro	Lys	Leu
					95				100					105
Tyr	Pro	Glu	Ala	Val	Leu	Pro	Gly	Phe	Leu	Ser	Gly	Val	Leu	Trp
					110				115					120
Ala	Ile	Ala	Thr	Cys	Cys	Trp	Phe	Ile	Ala	Asn	His	Ser	Leu	Ser
					125				130					135
Ala	Val	Val	Ser	Phe	Pro	Ile	Ile	Thr	Ala	Gly	Pro	Gly	Phe	Ile
					140				145					150
Ala	Ala	Met	Trp	Gly	Ile	Phe	Met	Phe	Lys	Glu	Ile	Lys	Gly	Leu
					155				160					165
Gln	Asn	Tyr	Leu	Leu	Met	Ile	Leu	Ala	Phe	Cys	Ile	Ile	Leu	Thr
					170				175					180
Gly	Ala	Leu	Cys	Thr	Ala	Phe	Ser	Lys	Ile					
					185				190					

&lt;210&gt; 18

&lt;211&gt; 361

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

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&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 778800CD1

&lt;400&gt; 18

Met	Leu	Ala	Arg	Arg	Leu	Val	Trp	Ala	Leu	Ile	Ser	Glu	Ala	Thr
1					5				10					15
Lys	Ala	Gly	Ala	Ala	Ser	Met	Ile	His	Tyr	Met	Val	Leu	Ile	Ser
					20				25					30
Ala	Arg	Leu	Val	Leu	Leu	Thr	Leu	Cys	Gly	Trp	Val	Leu	Cys	Trp
					35				40					45
Thr	Leu	Val	Asn	Leu	Phe	Arg	Ser	His	Ser	Val	Leu	Asn	Leu	Leu
					50				55					60
Phe	Leu	Gly	Tyr	Pro	Phe	Gly	Val	Tyr	Val	Pro	Leu	Cys	Cys	Phe
					65				70					75
His	Gln	Asp	Ser	Arg	Ala	His	Leu	Leu	Leu	Thr	Asp	Tyr	Asn	Tyr
					80				85					90
Val	Val	Gln	His	Glu	Ala	Val	Glu	Glu	Ser	Ala	Ser	Thr	Val	Gly
					95				100					105
Gly	Leu	Ala	Lys	Ser	Lys	Asp	Phe	Leu	Ser	Leu	Leu	Leu	Glu	Ser
					110				115					120
Leu	Lys	Glu	Gln	Phe	Asn	Asn	Ala	Thr	Pro	Ile	Pro	Thr	His	Ser
					125				130					135
Cys	Pro	Leu	Ser	Pro	Asp	Leu	Ile	Arg	Asn	Glu	Val	Glu	Cys	Leu
					140				145					150
Lys	Ala	Asp	Phe	Asn	His	Arg	Ile	Lys	Glu	Val	Leu	Phe	Asn	Ser
					155				160					165
Leu	Phe	Ser	Ala	Tyr	Tyr	Val	Ala	Phe	Leu	Pro	Leu	Cys	Phe	Val
					170				175					180
Lys	Ser	Thr	Gln	Tyr	Tyr	Asp	Met	Arg	Trp	Ser	Cys	Glu	His	Leu
					185				190					195
Ile	Met	Val	Trp	Ile	Asn	Ala	Phe	Val	Met	Leu	Thr	Thr	Gln	Leu
					200				205					210
Leu	Pro	Ser	Lys	Tyr	Cys	Asp	Leu	Leu	His	Lys	Ser	Ala	Ala	His
					215				220					225
Leu	Gly	Lys	Trp	Gln	Lys	Leu	Glu	His	Gly	Ser	Tyr	Ser	Asn	Ala
					230				235					240
Pro	Gln	His	Ile	Trp	Ser	Glu	Asn	Thr	Ile	Trp	Pro	Gln	Gly	Val
					245				250					255
Leu	Val	Arg	His	Ser	Arg	Cys	Leu	Tyr	Arg	Ala	Met	Gly	Pro	Tyr
					260				265					270
Asn	Val	Ala	Val	Pro	Ser	Asp	Val	Ser	His	Ala	Arg	Phe	Tyr	Phe
					275				280					285
Leu	Phe	His	Arg	Pro	Leu	Arg	Leu	Leu	Asn	Leu	Leu	Ile	Leu	Ile
					290				295					300
Glu	Gly	Ser	Val	Val	Phe	Tyr	Gln	Leu	Tyr	Ser	Leu	Leu	Arg	Ser
					305				310					315
Glu	Lys	Trp	Asn	His	Thr	Leu	Ser	Met	Ala	Leu	Ile	Leu	Phe	Cys
					320				325					330
Asn	Tyr	Tyr	Val	Leu	Phe	Lys	Leu	Leu	Arg	Asp	Arg	Ile	Val	Leu
					335				340					345
Gly	Arg	Ala	Tyr	Ser	Tyr	Pro	Leu	Asn	Ser	Tyr	Glu	Leu	Lys	Thr
					350				355					360
Asn														

&lt;210&gt; 19

&lt;211&gt; 97

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1396995CD1

&lt;400&gt; 19

Met	Glu	Asp	His	Ile	Ile	Ser	Cys	Tyr	Leu	Lys	Trp	Pro	Val	Cys
1				5					10					15
Ala	Gln	Leu	Leu	Asn	Cys	Ser	Glu	Pro	Thr	Glu	Arg	Ala	Thr	Val
				20					25					30
Glu	Thr	Cys	Met	Val	Ser	Arg	Ile	His	Arg	His	Ala	Leu	Phe	Leu
				35					40					45
Cys	Leu	Leu	Pro	Gln	Cys	Tyr	Leu	Pro	Lys	Asp	Leu	Trp	Tyr	Ser
				50					55					60
Ser	Leu	Ser	Trp	Glu	Arg	Asn	Ser	Ile	Leu	Phe	Ser	Leu	Leu	Leu
				65					70					75
Leu	Tyr	Ser	Leu	Phe	Tyr	Ser	Tyr	Ala	Pro	Ile	Val	Ala	Lys	Gly
				80					85					90
Lys	Arg	Gly	Lys	Met	Ile	Val								
				95										

&lt;210&gt; 20

&lt;211&gt; 232

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1597730CD1

&lt;400&gt; 20

Met	Gly	Pro	Leu	Ala	Leu	Pro	Ala	Trp	Leu	Gln	Pro	Arg	Tyr	Arg
1				5					10					15
Lys	Asn	Ala	Tyr	Leu	Phe	Ile	Tyr	Tyr	Leu	Ile	Gln	Phe	Cys	Gly
				20					25					30
His	Ser	Trp	Ile	Phe	Thr	Asn	Met	Thr	Val	Arg	Phe	Phe	Ser	Phe
				35					40					45
Gly	Lys	Asp	Ser	Met	Val	Asp	Thr	Phe	Tyr	Ala	Ile	Gly	Leu	Val
				50					55					60
Met	Arg	Leu	Cys	Gln	Ser	Val	Ser	Leu	Leu	Glu	Leu	Leu	His	Ile
				65					70					75
Tyr	Val	Gly	Ile	Glu	Ser	Asn	His	Leu	Leu	Pro	Arg	Phe	Leu	Gln
				80					85					90
Leu	Thr	Glu	Arg	Ile	Ile	Ile	Leu	Phe	Val	Val	Ile	Thr	Ser	Gln
				95					100					105
Glu	Glu	Val	Gln	Glu	Lys	Tyr	Val	Val	Cys	Val	Leu	Phe	Val	Phe
				110					115					120
Trp	Asn	Leu	Leu	Asp	Met	Val	Arg	Tyr	Thr	Tyr	Ser	Met	Leu	Ser
				125					130					135
Val	Ile	Gly	Ile	Ser	Tyr	Ala	Val	Leu	Thr	Trp	Leu	Ser	Gln	Thr
				140					145					150
Leu	Trp	Met	Pro	Ile	Tyr	Pro	Leu	Cys	Val	Leu	Ala	Glu	Ala	Phe
				155					160					165
Ala	Ile	Tyr	Gln	Ser	Leu	Pro	Tyr	Phe	Glu	Ser	Phe	Gly	Thr	Tyr
				170					175					180
Ser	Thr	Lys	Leu	Pro	Phe	Asp	Leu	Ser	Ile	Tyr	Phe	Pro	Tyr	Val
				185					190					195
Leu	Lys	Ile	Tyr	Leu	Met	Met	Leu	Phe	Ile	Gly	Met	Tyr	Phe	Thr
				200					205					210
Tyr	Ser	His	Leu	Tyr	Ser	Glu	Arg	Arg	Asp	Ile	Leu	Gly	Ile	Phe
				215					220					225
Pro	Ile	Lys	Lys	Lys	Lys	Lys	Met							
				230										

&lt;210&gt; 21

WO 00/56891

PCT/US00/07817

PF-0681 PCT

<211> 271  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1629304CD1

&lt;400&gt; 21

Met	Thr	Ala	Trp	Ile	Leu	Leu	Pro	Val	Ser	Leu	Ser	Ala	Phe	Ser
1				5					10				15	
Ile	Thr	Gly	Ile	Trp	Thr	Val	Tyr	Ala	Met	Ala	Val	Met	Asn	His
					20				25				30	
His	Val	Cys	Pro	Val	Glu	Asn	Trp	Ser	Tyr	Asn	Glu	Ser	Cys	Pro
					35				40				45	
Pro	Asp	Pro	Ala	Glu	Gln	Gly	Gly	Pro	Lys	Thr	Cys	Cys	Thr	Leu
					50				55				60	
Asp	Asp	Val	Pro	Leu	Ile	Ser	Lys	Cys	Gly	Ser	Tyr	Pro	Pro	Glu
					65				70				75	
Ser	Cys	Leu	Phe	Ser	Leu	Ile	Gly	Asn	Met	Gly	Ala	Phe	Met	Val
					80				85				90	
Ala	Leu	Ile	Cys	Leu	Leu	Arg	Tyr	Gly	Gln	Leu	Leu	Glu	Gln	Ser
					95				100				105	
Arg	His	Ser	Trp	Val	Asn	Thr	Thr	Ala	Leu	Ile	Thr	Gly	Cys	Thr
					110				115				120	
Asn	Ala	Ala	Gly	Leu	Leu	Val	Val	Gly	Asn	Phe	Gln	Val	Asp	His
					125				130				135	
Ala	Arg	Ser	Leu	His	Tyr	Val	Gly	Ala	Gly	Val	Ala	Phe	Pro	Ala
					140				145				150	
Gly	Leu	Leu	Phe	Val	Cys	Leu	His	Cys	Ala	Leu	Ser	Tyr	Gln	Gly
					155				160				165	
Ala	Thr	Ala	Pro	Leu	Asp	Leu	Ala	Val	Ala	Tyr	Leu	Arg	Ser	Val
					170				175				180	
Leu	Ala	Val	Ile	Ala	Phe	Ile	Thr	Leu	Val	Leu	Ser	Gly	Val	Phe
					185				190				195	
Phe	Val	His	Glu	Ser	Ser	Gln	Leu	Gln	His	Gly	Ala	Ala	Leu	Cys
					200				205				210	
Glu	Trp	Val	Cys	Val	Ile	Asp	Ile	Leu	Ile	Phe	Tyr	Gly	Thr	Phe
					215				220				225	
Ser	Tyr	Glu	Phe	Gly	Ala	Val	Ser	Ser	Asp	Thr	Leu	Val	Ala	Ala
					230				235				240	
Leu	Gln	Pro	Thr	Pro	Gly	Arg	Ala	Cys	Lys	Ser	Ser	Gly	Ser	Ser
					245				250				255	
Ser	Thr	Ser	Thr	His	Leu	Asn	Cys	Ala	Pro	Glu	Ser	Ile	Ala	Met
					260				265				270	

Ile

<210> 22  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1989585CD1

&lt;400&gt; 22

Met	Ala	Pro	Ala	Ala	Asp	Arg	Glu	Gly	Tyr	Trp	Gly	Pro	Thr	Thr
1					5				10				15	
Ser	Thr	Leu	Asp	Trp	Cys	Glu	Glu	Asn	Tyr	Ser	Val	Thr	Trp	Tyr
					20				25				30	

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Ile	Ala	Glu	Phe	Trp	Asn	Thr	Val	Ser	Asn	Leu	Ile	Met	Ile	Ile
35									40					45
Pro	Pro	Met	Phe	Gly	Ala	Ile	Gln	Ser	Val	Arg	Asp	Gly	Leu	Glu
				50					55					60
Lys	Arg	Tyr	Ile	Ala	Ser	Tyr	Leu	Ala	Leu	Thr	Val	Val	Gly	Met
				65					70					75
Gly	Ser	Trp	Cys	Phe	His	Met	Thr	Leu	Lys	Tyr	Glu	Met	Gln	Leu
				80					85					90
Leu	Asp	Glu	Leu	Pro	Met	Ile	Tyr	Ser	Cys	Cys	Ile	Phe	Val	Tyr
				95					100					105
Cys	Met	Phe	Glu	Cys	Phe	Lys	Ile	Lys	Asn	Ser	Val	Asn	Tyr	His
				110					115					120
Leu	Leu	Phe	Thr	Leu	Val	Leu	Phe	Ser	Leu	Ile	Val	Thr	Thr	Val
				125					130					135
Tyr	Leu	Lys	Val	Lys	Glu	Pro	Ile	Phe	His	Gln	Val	Met	Tyr	Gly
				140					145					150
Met	Leu	Val	Phe	Thr	Leu	Val	Leu	Arg	Ser	Ile	Tyr	Ile	Val	Thr
				155					160					165
Trp	Val	Tyr	Pro	Trp	Leu	Arg	Gly	Leu	Gly	Tyr	Thr	Ser	Leu	Gly
				170					175					180
Ile	Phe	Leu	Leu	Gly	Phe	Leu	Phe	Trp	Asn	Ile	Asp	Asn	Ile	Phe
				185					190					195
Cys	Glu	Ser	Leu	Arg	Asn	Phe	Arg	Lys	Lys	Val	Pro	Pro	Ile	Ile
				200					205					210
Gly	Ile	Thr	Thr	Gln	Phe	His	Ala	Trp	Trp	His	Ile	Leu	Thr	Gly
				215					220					225
Leu	Gly	Ser	Tyr	Leu	His	Ile	Leu	Phe	Ser	Leu	Tyr	Thr	Arg	Thr
				230					235					240
Leu	Tyr	Leu	Arg	Tyr	Arg	Pro	Lys	Val	Lys	Phe	Leu	Phe	Gly	Ile
				245					250					255
Trp	Pro	Val	Ile	Leu	Phe	Glu	Pro	Leu	Arg	Lys	His			
				260					265					

&lt;210&gt; 23

&lt;211&gt; 406

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2134729CD1

&lt;400&gt; 23

Met	Asp	Gln	Ser	Gly	Met	Glu	Ile	Pro	Val	Thr	Leu	Ile	Ile	Lys
1				5					10					15
Ala	Pro	Asn	Gln	Lys	Tyr	Ser	Asp	Gln	Thr	Ile	Ser	Cys	Phe	Leu
				20					25					30
Asn	Trp	Thr	Val	Gly	Lys	Leu	Lys	Thr	His	Leu	Ser	Asn	Val	Tyr
				35					40					45
Pro	Ser	Lys	Pro	Leu	Thr	Lys	Asp	Gln	Arg	Leu	Val	Tyr	Ser	Gly
				50					55					60
Arg	Leu	Leu	Pro	Asp	His	Leu	Gln	Leu	Lys	Asp	Ile	Leu	Arg	Lys
				65					70					75
Gln	Asp	Glu	Tyr	His	Met	Val	His	Leu	Val	Cys	Thr	Ser	Arg	Thr
				80					85					90
Pro	Pro	Ser	Ser	Pro	Lys	Ser	Ser	Thr	Asn	Arg	Glu	Ser	His	Glu
				95					100					105
Ala	Leu	Ala	Ser	Ser	Ser	Asn	Ser	Ser	Ser	Asp	His	Ser	Gly	Ser
				110					115					120
Thr	Thr	Pro	Ser	Ser	Gly	Gln	Glu	Thr	Leu	Ser	Leu	Ala	Val	Gly
				125					130					135
Ser	Ser	Ser	Glu	Gly	Leu	Arg	Gln	Arg	Thr	Leu	Pro	Gln	Ala	Gln

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140	145	150
Thr Asp Gln Ala	Gln Ser His Gln Phe	Pro Tyr Val Met Gln
155	160	165
Asn Val Asp Asn	Gln Phe Pro Gly Gln	Ala Ala Pro Pro Gly
170	175	180
Pro Val Tyr Pro	Ala Phe Ser Pro Leu	Gln Met Leu Trp Trp
185	190	195
Gln Met Tyr Ala	His Gln Tyr Tyr Met	Gln Tyr Gln Ala Ala
200	205	210
Ser Ala Gln Ala	Thr Ser Asn Val Asn	Pro Thr Gln Pro Thr
215	220	225
Ser Gln Pro Leu	Asn Leu Ala His Val	Pro Gly Glu Glu Pro
230	235	240
Pro Ala Pro Asn	Leu Val Ala Gln Glu	Asn Arg Pro Met Asn
245	250	255
Asn Val Gln Met	Asn Ala Gln Gly Gly	Pro Val Leu Asn Glu
260	265	270
Asp Phe Asn Arg	Asp Trp Leu Asp Trp	Met Tyr Thr Phe Ser
275	280	285
Ala Ala Ile Leu	Leu Ser Ile Val Tyr	Phe Tyr Ser Ser Phe
290	295	300
Arg Phe Ile Met	Val Met Gly Ala Met	Leu Leu Val Tyr Leu
305	310	315
Gln Ala Gly Trp	Phe Pro Phe Arg Gln	Glu Gly Gly His Gln
320	325	330
Ala Pro Asn Asn	Asn Ala Glu Val Asn	Asn Asp Gly Gln Asn
335	340	345
Asn Asn Leu Glu	Leu Glu Glu Met Glu	Arg Leu Met Asp Asp
350	355	360
Leu Glu Asp Glu	Ser Gly Glu Asp Gly	Gly Glu Asp Ala Ser
365	370	375
Ile Gln Arg Pro	Gly Leu Met Ala Ser	Ala Trp Ser Phe Ile
380	385	390
Thr Phe Phe Thr	Ser Leu Ile Pro Glu	Gly Pro Pro Gln Val
395	400	405

Asn

<210> 24  
 <211> 318  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2299506CD1

<400> 24

Met Leu Ser Glu Ser	Ser Ser Phe Leu	Lys Gly Val Met Leu	Gly
1	5	10	15
Ser Ile Phe Cys Ala	Leu Ile Thr Met Leu	Gly His Ile Arg Ile	
20	25	30	
Gly His Gly Asn Arg	Met His His His	Glu His His His Leu	Gln
35	40	45	
Ala Pro Asn Lys Glu	Asp Ile Leu Lys	Ile Ser Glu Asp Glu	Arg
50	55	60	
Met Glu Leu Ser Lys	Ser Phe Arg Val	Tyr Cys Ile Ile Leu	Val
65	70	75	
Lys Pro Lys Asp Val	Ser Leu Trp Ala	Ala Val Lys Glu Thr	Trp
80	85	90	
Thr Lys His Cys Asp	Lys Ala Glu Phe	Phe Ser Ser Glu Asn	Val
95	100	105	

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Lys	Val	Phe	Glu	Ser	Ile	Asn	Met	Asp	Thr	Asn	Asp	Met	Trp	Leu
					110				115					120
Met	Met	Arg	Lys	Ala	Tyr	Lys	Tyr	Ala	Phe	Asp	Lys	Tyr	Arg	Asp
					125				130					135
Gln	Tyr	Asn	Trp	Phe	Phe	Leu	Ala	Arg	Pro	Thr	Thr	Phe	Ala	Ile
					140				145					150
Ile	Glu	Asn	Leu	Lys	Tyr	Phe	Leu	Leu	Lys	Lys	Asp	Pro	Ser	Gln
					155				160					165
Pro	Phe	Tyr	Leu	Gly	His	Thr	Ile	Lys	Ser	Gly	Asp	Leu	Glu	Tyr
					170				175					180
Val	Gly	Met	Glu	Gly	Gly	Ile	Val	Leu	Ser	Val	Glu	Ser	Met	Lys
					185				190					195
Arg	Leu	Asn	Ser	Leu	Leu	Asn	Ile	Pro	Glu	Lys	Cys	Pro	Glu	Gln
					200				205					210
Gly	Gly	Met	Ile	Trp	Lys	Ile	Ser	Glu	Asp	Lys	Gln	Leu	Ala	Val
					215				220					225
Cys	Leu	Lys	Tyr	Ala	Gly	Val	Phe	Ala	Glu	Asn	Ala	Glu	Asp	Ala
					230				235					240
Asp	Gly	Lys	Asp	Val	Phe	Asn	Thr	Lys	Ser	Val	Gly	Leu	Ser	Ile
					245				250					255
Lys	Glu	Ala	Met	Thr	Tyr	His	Pro	Asn	Gln	Val	Val	Glu	Gly	Cys
					260				265					270
Cys	Ser	Asp	Met	Ala	Val	Thr	Phe	Asn	Gly	Leu	Thr	Pro	Asn	Gln
					275				280					285
Met	His	Val	Met	Met	Tyr	Gly	Val	Tyr	Arg	Leu	Arg	Ala	Phe	Gly
					290				295					300
His	Ile	Phe	Asn	Asp	Ala	Leu	Val	Phe	Leu	Pro	Pro	Asn	Gly	Ser
					305				310					315
Asp	Asn	Asp												

&lt;210&gt; 25

&lt;211&gt; 326

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2506558CD1

&lt;400&gt; 25

Met	Glu	Phe	Leu	Trp	Asp	Phe	Leu	Asn	His	Gln	Glu	Gly	Pro	Arg
1					5				10					15
Ile	Arg	Asp	His	Leu	Ser	His	Gly	Glu	Ile	Asn	Leu	His	Phe	
					20				25					30
Ser	Lys	Glu	Thr	Thr	Asn	Gln	Leu	Leu	Ala	Phe	Ser	Leu	Val	Leu
					35				40					45
Leu	Leu	Arg	Phe	Val	Asp	Asp	Cys	Leu	Leu	Ser	Val	Phe	Lys	Glu
					50				55					60
Lys	Ser	Ala	Val	Glu	Leu	Leu	Ile	Ser	Leu	Ala	Glu	Gly	Tyr	Ser
					65				70					75
Ser	Arg	Cys	His	Pro	Val	Phe	Gln	Leu	Lys	Lys	Gln	Val	Leu	Ser
					80				85					90
Cys	Glu	Glu	Ser	Ile	Arg	Val	Trp	Ala	Leu	Leu	Pro	Phe	Pro	Glu
					95				100					105
Glu	Leu	Thr	Arg	Gln	Ala	Val	Arg	Leu	Glu	Asp	Asn	Ser	Glu	Thr
					110				115					120
Asn	Ala	Cys	His	Ser	Leu	Ile	Thr	Lys	Met	Thr	Asp	Glu	Leu	Tyr
					125				130					135
His	His	Met	Pro	Glu	Asn	Arg	Cys	Val	Leu	Lys	Asp	Leu	Asp	Arg
					140				145					150
Leu	Pro	Thr	Glu	Thr	Trp	Pro	Gln	Leu	Leu	Arg	Glu	Leu	Cys	Ser

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155	160	165
Thr Pro Val Pro Thr Leu Phe Cys Pro Arg Ile Val Leu Glu Val		
170	175	180
Leu Val Val Leu Arg Ser Ile Gly Glu Gln Cys Arg Arg Val Ser		
185	190	195
Ser Gln Val Thr Val Ala Ser Glu Leu Arg His Arg Gln Trp Val		
200	205	210
Glu Arg Thr Leu Arg Ser Arg Gln Arg Gln Asn Tyr Leu Arg Met		
215	220	225
Trp Ser Ser Ile Arg Leu Leu Ser Pro Val Leu Ser Leu Ile Leu		
230	235	240
Leu Leu Ile Ala Leu Glu Leu Val Asn Ile His Ala Val Cys Gly		
245	250	255
Lys Asn Ala His Glu Tyr Gln Gln Tyr Leu Lys Phe Val Lys Ser		
260	265	270
Ile Leu Gln Tyr Thr Glu Asn Leu Val Ala Tyr Thr Ser Tyr Glu		
275	280	285
Lys Asn Lys Trp Asn Glu Thr Ile Asn Leu Thr His Thr Ala Leu		
290	295	300
Leu Lys Met Trp Thr Phe Ser Glu Lys Lys Gln Met Leu Ile His		
305	310	315
Leu Ala Lys Lys Ser Thr Ser Lys Val Leu Leu		
320	325	

&lt;210&gt; 26

&lt;211&gt; 247

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2546025CD1

&lt;400&gt; 26

Met Leu Arg Phe Ile Gln Lys Phe Ser Gln Ala Ser Ser Lys Ile			
1	5	10	15
Leu Lys Tyr Ser Phe Pro Val Gly Leu Arg Thr Ser Arg Thr Asp			
20	25	30	
Ile Leu Ser Leu Lys Met Ser Leu Gln Gln Asn Phe Ser Pro Cys			
35	40	45	
Pro Arg Pro Trp Leu Ser Ser Ser Phe Pro Ala Tyr Met Ser Lys			
50	55	60	
Thr Gln Cys Tyr His Thr Ser Pro Cys Ser Phe Lys Lys Gln Gln			
65	70	75	
Lys Gln Ala Leu Leu Ala Arg Pro Ser Ser Thr Ile Thr Tyr Leu			
80	85	90	
Thr Asp Ser Pro Lys Pro Ala Leu Cys Val Thr Leu Ala Gly Leu			
95	100	105	
Ile Pro Phe Val Ala Pro Pro Leu Val Met Leu Met Thr Lys Thr			
110	115	120	
Tyr Ile Pro Ile Leu Ala Phe Thr Gln Met Ala Tyr Gly Ala Ser			
125	130	135	
Phe Leu Ser Phe Leu Gly Gly Ile Arg Trp Gly Phe Ala Leu Pro			
140	145	150	
Glu Gly Ser Pro Ala Lys Pro Asp Tyr Leu Asn Leu Ala Ser Ser			
155	160	165	
Ala Ala Pro Leu Phe Phe Ser Trp Phe Ala Phe Leu Ile Ser Glu			
170	175	180	
Arg Leu Ser Glu Ala Ile Val Thr Val Ile Met Gly Met Gly Val			
185	190	195	
Ala Phe His Leu Glu Leu Phe Leu Leu Pro His Tyr Pro Asn Trp			
200	205	210	

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Phe	Lys	Ala	Leu	Arg	Ile	Val	Val	Thr	Leu	Leu	Ala	Thr	Phe	Ser
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Phe	Ile	Ile	Thr	Leu	Val	Val	Lys	Ser	Ser	Phe	Pro	Glu	Lys	Gly
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His	Lys	Arg	Pro	Gly	Gln	Val								
				245										

&lt;210&gt; 27

&lt;211&gt; 278

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3145660CD1

&lt;400&gt; 27

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Tyr	Ile	Leu	Val	Leu	Gly	Val	Phe	Tyr	Asn	Glu	Asn	Thr	Lys	Glu
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Thr	Lys	Val	Leu	Asn	Arg	Glu	Gln	Thr	Asp	Glu	Trp	Lys	Gly	Trp
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Met	Gln	Leu	Val	Ile	Leu	Ile	Tyr	His	Ile	Ser	Gly	Ala	Ser	Thr
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Phe	Leu	Pro	Val	Tyr	Met	His	Ile	Arg	Val	Leu	Val	Ala	Ala	Tyr
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Leu	Phe	Gln	Thr	Gly	Tyr	Gly	His	Phe	Ser	Tyr	Phe	Trp	Ile	Lys
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Gly	Asp	Phe	Gly	Ile	Tyr	Arg	Val	Cys	Gln	Val	Leu	Phe	Arg	Leu
					110				115				120	
Asn	Phe	Leu	Val	Val	Val	Leu	Cys	Ile	Val	Met	Asp	Arg	Pro	Tyr
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Gln	Phe	Tyr	Tyr	Phe	Val	Pro	Leu	Val	Thr	Val	Trp	Phe	Met	Val
					140				145				150	
Ile	Tyr	Val	Thr	Leu	Ala	Leu	Trp	Pro	Gln	Ile	Ile	Gln	Lys	Lys
					155				160				165	
Ala	Asn	Gly	Asn	Cys	Phe	Trp	His	Phe	Gly	Leu	Leu	Leu	Lys	Leu
					170				175				180	
Gly	Phe	Leu	Leu	Leu	Phe	Ile	Cys	Phe	Leu	Ala	Tyr	Ser	Gln	Gly
					185				190				195	
Ala	Phe	Glu	Lys	Ile	Phe	Ser	Leu	Trp	Pro	Leu	Ser	Lys	Cys	Phe
					200				205				210	
Glu	Leu	Lys	Gly	Asn	Val	Tyr	Glu	Trp	Trp	Phe	Arg	Trp	Arg	Leu
					215				220				225	
Asp	Arg	Tyr	Val	Val	Phe	His	Gly	Met	Leu	Phe	Ala	Phe	Ile	Tyr
					230				235				240	
Leu	Ala	Leu	Gln	Lys	Arg	Gln	Ile	Leu	Ser	Glu	Gly	Lys	Gly	Glu
					245				250				255	
Pro	Leu	Phe	Ser	Asn	Lys	Ile	Ser	Asn	Phe	Leu	Leu	Val	Ile	Ser
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Val	Val	Ser	Phe	Leu	Gly	Lys	Phe							
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&lt;210&gt; 28

&lt;211&gt; 320

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

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PCT/US00/07817

PF-0681 PCT

&lt;223&gt; Incyte ID No: 4901066CD1

&lt;400&gt; 28

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Phe	Leu	Ala	Leu	Ala	Ala	Ser	Phe	Leu	Leu	Ile	Leu	Pro	Gly	Ile
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Arg	Gly	His	Ser	Arg	Trp	Phe	Trp	Leu	Val	Arg	Val	Leu	Leu	Ser
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Leu	Phe	Ile	Gly	Ala	Glu	Ile	Val	Ala	Val	His	Phe	Ser	Ala	Glu
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Ser	Ala	Ala	Arg	Val	Thr	Ala	Arg	Val	Gly	Leu	Leu	Val	Gly	Leu
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Asn	Glu	Thr	Ile	Asp	Tyr	Asn	Glu	Gln	Phe	Thr	Trp	Arg	Leu	Lys
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Glu	Asn	Tyr	Ala	Ala	Glu	Tyr	Ala	Asn	Ala	Leu	Glu	Lys	Gly	Leu
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Pro	Asp	Pro	Val	Leu	Tyr	Leu	Ala	Glu	Lys	Phe	Thr	Pro	Ser	Ser
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Pro	Cys	Gly	Leu	Tyr	His	Gln	Tyr	His	Leu	Ala	Gly	His	Tyr	Ala
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Thr	Gly	Val	Leu	Cys	Leu	Phe	Leu	Gly	Gly	Ala	Val	Val	Ser	Leu
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Gln	Tyr	Val	Arg	Pro	Ser	Ala	Leu	Arg	Thr	Leu	Leu	Asp	Gln	Ser
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Ala	Lys	Asp	Cys	Ser	Gln	Glu	Arg	Gly	Gly	Ser	Pro	Leu	Ile	Leu
					290				295				300	
Gly	Asp	Pro	Leu	His	Lys	Gln	Ala	Ala	Leu	Pro	Asp	Leu	Lys	Cys
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Ile	Thr	Thr	Asn	Leu										
					320									

&lt;210&gt; 29

&lt;211&gt; 360

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5031174CD1

&lt;400&gt; 29

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Leu	Gly	Ser	Thr	Val	Met	Val	Ile	His	Ala	Pro	Lys	Glu	Glu	
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Ile	Glu	Thr	Leu	Asn	Glu	Met	Ser	His	Lys	Leu	Gly	Asp	Pro	Gly
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Phe	Val	Val	Phe	Ala	Thr	Leu	Val	Val	Ile	Val	Ala	Leu	Ile	Leu
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Tyr	Ile	Thr	Ile	Cys	Ser	Val	Ile	Gly	Ala	Phe	Ser	Val	Ser	Cys
				185				190					195	
Val	Lys	Gly	Leu	Gly	Ile	Ala	Ile	Lys	Glu	Leu	Phe	Ala	Gly	Lys
				200				205					210	
Pro	Val	Leu	Arg	His	Pro	Leu	Ala	Trp	Ile	Leu	Leu	Leu	Ser	Leu
				215				220					225	
Ile	Val	Cys	Val	Ser	Thr	Gln	Ile	Asn	Tyr	Leu	Asn	Arg	Ala	Leu
				230				235					240	
Asp	Ile	Phe	Asn	Thr	Ser	Ile	Val	Thr	Pro	Ile	Tyr	Tyr	Val	Phe
				245				250					255	
Phe	Thr	Thr	Ser	Val	Leu	Thr	Cys	Ser	Ala	Ile	Leu	Phe	Lys	Glu
				260				265					270	
Trp	Gln	Asp	Met	Pro	Val	Asp	Asp	Val	Ile	Gly	Thr	Leu	Ser	Gly
				275				280					285	
Phe	Phe	Thr	Ile	Ile	Val	Gly	Ile	Phe	Leu	Leu	His	Ala	Phe	Lys
				290				295					300	
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&lt;210&gt; 30

&lt;211&gt; 1716

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1316927CB1

&lt;400&gt; 30

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&lt;211&gt; 1133

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&lt;211&gt; 3324

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 1415487CB1

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967

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&lt;211&gt; 1912

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 5309830CB1

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&lt;211&gt; 2022

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 306263CB1

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<220>

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&lt;211&gt; 2744

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1989585CB1

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&lt;211&gt; 1679

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 2134729CB1

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<212> DNA

<213> *Homo sapiens*

<220>

<221> misc feature

<223> Invate ID No: 2546025CB1

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